

Patent Claims

1 Use of a polyolefinic oriented multilayer film as support film in the production of a ceramic capacitor, characterized in that

5 • the multilayer film consists of a base layer and at least one top layer A, where the top layer A comprises a propylene polymer and at least one incompatible polyolefin, and in that the incompatible polyolefin is an LDPE, HDPE, MDPE, ethylene-propylene copolymer or a cycloolefin polymer or a syndiotactic polymer, and

10 • the surface of the top layer A has greater roughness than the opposite surface of the film, and

 • the film is provided with a ceramic coating on the smoother surface of the film, and this coating is dried and subsequently separated from the support film

15 2. Use according to claim 1, characterized in that the top layer A does not contain any particulate antiblocking agent

 3. Use according to claim 1 and/or 2, characterized in that the film has a second top layer C, and the surface of this top layer C forms the smoother film surface

20 4. Use according to one or more of claims 1 to 3, characterized in that the top layer C essentially consists of a propylene homopolymer and does not contain any antiblocking agent

 5. Use according to one or more of claims 1 to 4, characterized in that
25 the top layer A comprises the propylene polymer in an amount of from 70 to 99.5% by weight and the incompatible polyolefin in an amount of from 0.5 to 30% by weight

 6. Use according to one or more of claims 1 to 5, characterized in that the film coated with a ceramic layer is provided with a metal layer on the surface of the ceramic layer

7 Ceramic capacitor produced by means of a use according to one or more of claims 1 to 5

8 Use of a polyolefinic, oriented multilayer film as support film in the production of photoresist layers, characterized in that

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- the multilayer film consists of a base layer and at least one top layer A, where the top layer A comprises a propylene polymer and at least one incompatible polyolefin, and in that the incompatible polyolefin is an LDPE, HDPE, MDPE, ethylene-propylene copolymer or a cycloolefin polymer or a syndiotactic polymer, and
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- the surface of the top layer A has greater roughness than the opposite surface of the film, and
 - the film, as separating film, is brought into contact with the photoresist layer with its smoother surface.